NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL EXAMINATION 2014

PRIMARY 5

MATHEMATICS

PAPER 1

DURATION: 50 MINUTES

Booklet A	/ 20
Booklet B	/ 20

Paper 1 Total: / 40

Name: _____ ( )

Class: Primary 5 ( )

Date: 9 May 2014

Parent's Signature: _____

Any query on marks awarded should be raised by 20 May 2014. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

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PAPER 1 (BOOKLET A)

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

1 Six million, nine hundred and forty thousand and eight when written in numerals is _____.

1) 6 040 908

2) 6 904 008

3) 6 940 008

4) 6 948 000

2 What is the value of 135 – (57 + 9) ?

1) 69

2) 79

3) 87

4) 97

3 Find the missing number in the box.

$$\frac{27}{72} = \frac{3}{\square}$$

1) 6

2) 7

3) 8

4) 9

4 Arrange the following fractions in ascending order.

$$\frac{5}{11} \; , \; \frac{1}{2} \; , \; \frac{7}{8}$$

1) $\frac{1}{2}$, $\frac{5}{11}$, $\frac{7}{8}$

2) $\frac{1}{2}$, $\frac{7}{8}$, $\frac{5}{11}$

3) $\frac{5}{11}$, $\frac{1}{2}$, $\frac{7}{8}$

4) $\frac{7}{8}$, $\frac{1}{2}$, $\frac{5}{11}$

5 Express $\frac{8}{5}$ as a decimal.

1) 0.625

2) 0.63

3) 1.1

4) 1.6

6 Find the value of $\frac{5}{6} - \frac{1}{4}$

1) $\frac{7}{12}$

2) $\frac{4}{6}$

3) $\frac{13}{12}$

4) $\frac{4}{2}$

7 Find the product of 7 and $\frac{5}{12}$.

1) $\frac{5}{84}$

2) $2\frac{1}{12}$

3) $2\frac{11}{12}$

4) $7\frac{5}{12}$

8 Find the value of 50 + 3 + 0.6 + 0.005.

1) 50.365

2) 53.065

3) 53.605

4) 53.650

9 Express 4.01 kg in grams.

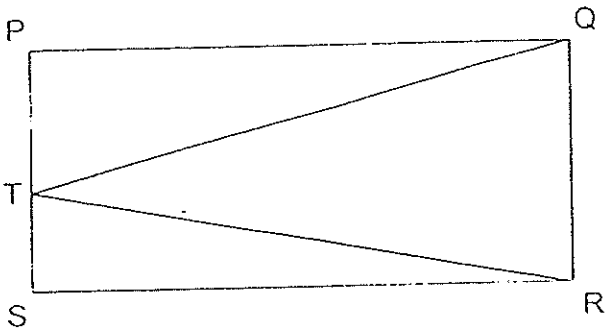
1) 401 g

2) 4010 g

3) 40 100 g

4) 401 000 g

10 In the figure below, PQRS is a rectangle. Given that the base of triangle QRT is QR, find its corresponding height.



1) SR

2) TR

3) TQ

4) PS

11 Beatrice had 3700 beads. She packed 50 beads in each packet and she managed to pack 38 packets of beads. The remaining beads were then shared equally among her and her 9 friends. How many beads did each of them receive?

1) 180

2) 200

3) 351

4) 390

12 A rectangular plank has a length of 2.4 m. Its length is 0.56 m longer than its breadth. Find the breadth of the plank.

1) 1.84 m

2) 1.94 m

3) 2.16 m

4) 2.96 m

13 Susie spent $\frac{3}{7}$ of her money on food. She spent $\frac{2}{3}$ of the remaining money on transport. What fraction of her money was spent on transport?

1) $\frac{2}{7}$

2) $\frac{5}{21}$

3) $\frac{8}{21}$

4) $\frac{23}{21}$

14 The perimeter of a square is $\frac{9}{11}$ m. What is the length of each side of the square?

1) $\frac{9}{22}$ m

2) $\frac{9}{44}$ m

3) $\frac{11}{36}$ m

4) $\frac{44}{9}$ m

15 Even numbers are arranged in four columns in a certain pattern as shown below. Which column will the number 68 appear?

Column A	Column B	Column C	Column D
2	4	6	8
10	12	14	16
18	20	22	24
26	28		

1) A

2) B

3) C

4) D

PAPER 1 (BOOKLET B)

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

16 Round off 719 825 to the nearest thousand.

Ans: _____

---

17 What is the product of 757 and 48?

Ans: _____

---

18 Find the value of 540 000 ÷ 2000.

Ans: _____

---

19 Insert a pair of brackets, ( ), in the number statement below to make it a correct number statement.

$$125 \times 4 \div 350 \div 7 = 10$$

---

20 Find the product of $\frac{3}{10}$ and $\frac{6}{7}$.

Leave your answer as a fraction in its simplest form.

Ans: _____

---

21 Find the value of $\frac{3}{5} \div 12$.

Leave your answer as a fraction in its simplest form.

Ans: _____

---

22 A book costs \$10.80. It costs 8 times as much as a pen. How much does one pen cost?

Ans: \$ _____

---

23 Express 0.052 as a fraction in its simplest form.

Ans: _____

---

24 Round off 2.095 to 2 decimal places.

Ans: _____

---

25 Mr Gunar bought $\frac{4}{7}$ m of rope. He used $\frac{1}{3}$ m of it to tie a parcel. How much rope had he left?

_____ m

Questions **26** to **30** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

26 Find the value of $170 + 26 \times 4 - 455 \div 13$.

Ans: _____

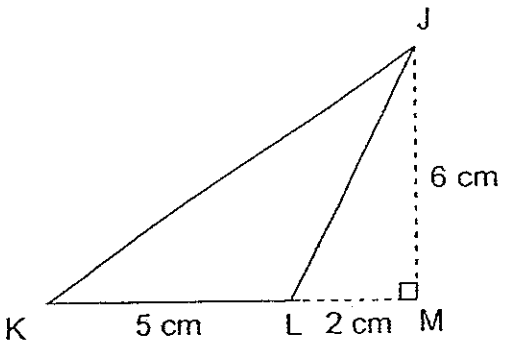
---

27 Jonas bought 120.45 m of ribbon. He cut the ribbon into 1000 pieces of equal length. What was the length of each piece of ribbon in centimetres?

Ans: _____ cm

---

28 In the figure below, KL = 5 cm, LM = 2 cm and JM = 6 cm. Find the area of Triangle JKL.



Ans: _____ cm^2

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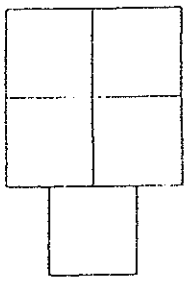
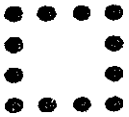
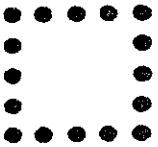
29 The figure below is made up of 5 identical squares. The perimeter of the figure is 38.4 cm. Find the length of each square. Round off your answer to 1 decimal place.



Ans. _____ cm

---

30 Look at the pattern below and find out the missing number "a" and "b".

Pattern 1	Pattern 2	Pattern 3	Pattern 4
			

Pattern Number	Number of circles
1	4
2	8
3	12
4	16
...	...
a	24
...	...
10	b

Ans: a) _____

b) _____

END OF PAPER

NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL EXAMINATION 2014

PRIMARY 5

MATHEMATICS

PAPER 2

DURATION: 1 HOUR 40 MINUTES

Paper 2 Total	/ 60
GRAND TOTAL	/ 100

Name: _____ ( )

Class: Primary 5 ( )

Date: 9 May 2014

Parent's Signature: _____

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PAPER 2

Questions **1** to **5** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

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1 Find the difference between 5960 and 445 by first rounding off each number to the nearest hundred.

Ans _____

---

2 Xinyi is 24 years old now. She is 6 times as old as her sister. What was their total age 3 years ago?

_____

---

3 Jason poured 736 *ml* of orange juice equally into 4 jugs. How many litres of orange juice will 24 such jugs contain?

Ans: _____ *l*

---

4 Mrs Singh brewed some tea for a party. After serving $4\frac{4}{9}$ *l* of it to her guests, she brewed another $1\frac{1}{2}$ *l* of tea and was left with $3\frac{11}{12}$ *l*. How much tea did she brew at first? Leave your answer as a mixed number in its simplest form.

Ans: _____ *l*

---

5 What is the missing number in the box below?

$10 \times 19 = 20 + 30 + 20 \times \square + 40$

Ans: _____

For questions **6** to **18**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question. Marks will be awarded for the relevant number sentences.

(50 marks)

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6 The length of a rectangle is 6 times its breadth. The breadth is $13\frac{1}{6}$ cm long. Find the area of the rectangle. Leave your answer as a mixed number in its simplest form.

Ans: _____ [3]

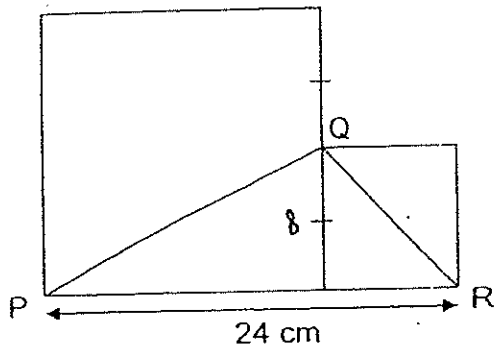
---

7 A tap fills $\frac{3}{7}$ of a tank in 2 hours. How many hours does the tap take to fill 3 such tanks?

Ans: _____ [3]

---

8 The figure below consists of 2 squares and Triangle PQR. PR = 24 cm. The length of the bigger square is twice the length of the smaller square. Find the area of Triangle PQR.



Ans: _____ [3]

---

9 Jared ran $\frac{4}{5}$ km during a race. Tim ran thrice of Jared's distance. Myra ran $\frac{2}{3}$ of Tim's distance. How many kilometres did Myra run? Leave your answer as a mixed number in its simplest form.

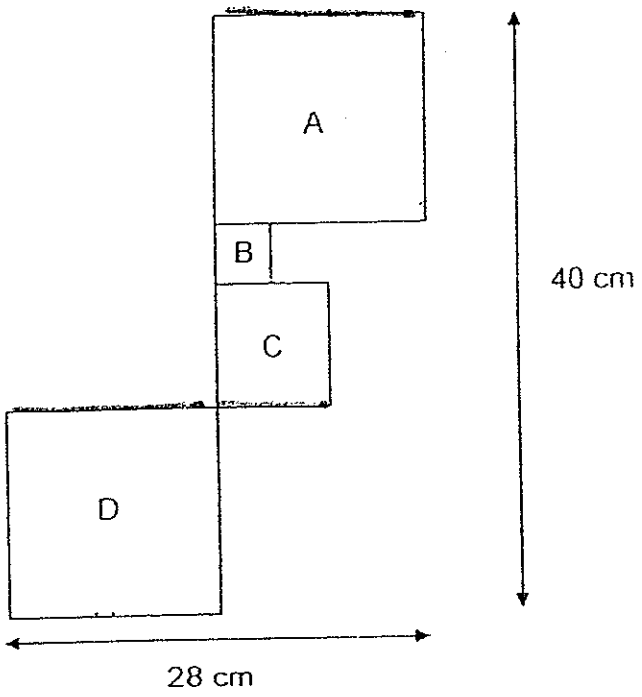
Ans: _____ [3]

---

10 Container A, B and C contained 61.2 *l* of water in total. Rahim poured 3.8 *l* of water from Container A to B and 2.6 *l* of water from Container C to A respectively. In the end, there was an equal amount of water in each container. How many more litres of water were there in Container C than Container B at first?

Ans: _____. [3]

11 The figure below is made up of 4 squares. Squares A and D are identical. The length of Square B is half of the length of Square C. Find the perimeter of the figure.



Ans: _____ [4]

12 At a theme park, each adult was given 1 balloon and each child was given 3 balloons. The number of boys was $\frac{7}{8}$ of the number of girls. The number of adults was $\frac{3}{4}$ of the number of girls. There were 612 balloons distributed in total. How many children were there at the theme park?

Ans: _____ [4]

13 Lisa bought 57 kg of flour and 22 kg of sugar to bake some cakes. For each cake, the amount of flour required was 5 times the amount of sugar required. After baking 8 such cakes, there were 4 kg of flour and some sugar left.

(a) How many kilograms of flour were used to bake one cake?

(b) How much sugar was left? Give your answer to the nearest kg.

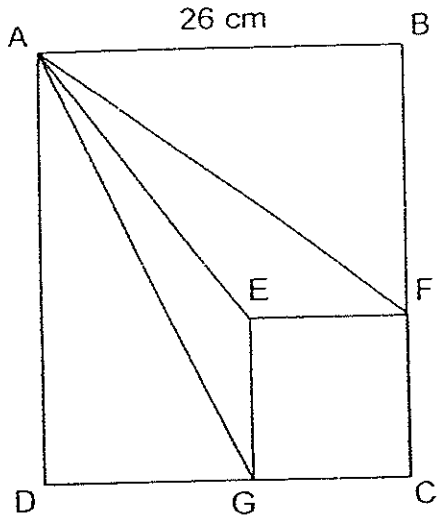
Ans: (a) _____ [2]

(b) _____ [2]

14 Mr Tan was paid $5 for each flower pot delivered unbroken. He was paid $2 for each broken flower pot. He delivered a total of 305 flower pots and was paid $1363. How many flower pots did he deliver unbroken?

Ans: _____ [4]

15 In the figure below, ABCD is a rectangle with a perimeter of 112 cm. EFCG is a square with an area of 144 cm^2. AB = 26 cm. Find the total area of Triangle AEG and Triangle AEF.



Ans: _____ [4]

16 In Count Megastore, an oven cost \$36.80 more than a blender. An oven cost \$68.80 less than a microwave. Mr Tan paid \$1196 for 4 ovens, 6 blenders and 2 microwaves for his café.

(a) Find the cost of one blender.

(b) During a sale, Count Megastore sold 4 ovens for \$300. How much would Mr Tan save on his 4 ovens if he had bought them during the sale?

Ans: (a) _____ [3]

(b) _____ [2]

17 Benjamin had a sum of money. He spent \$288 on a watch and $\frac{3}{8}$ of the remainder on a belt. He had $\frac{2}{5}$ of his money left in the end.

(a) What fraction of the money did he spend on the watch?

(b) How much money did he have at first?

Ans: (a)_____. [3]

Ans: (b)_____. [2]

18 At a camp, $\frac{2}{5}$ of the participants were adults and $\frac{5}{7}$ of the children were boys. The number of women was $\frac{2}{3}$ as many as the girls. There were 72 more men than women at the camp.

(a) What fraction of the participants who attended the camp were girls?

(b) How many participants attended the camp altogether?

Ans: (a) _____ [1]

(b) _____ [4]

END OF PAPER

EXAM PAPER 2014

SCHOOL : NANYANG PRIMARY SCHOOL

LEVEL : PRIMARY 5

SUBJECT : MATHEMATICS

TERM : SA1

PAPER 1- BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	1	3	3	4	1	3	3	2	1
Q11	Q12	Q13	Q14	Q15					
1	1	3	2	2					

PAPER 1 - BOOKLET B

Q16 720 000

Q17 36 336

Q18 270

Q19 125x4÷350÷7=10

Q20 9/35

Q21 1/20

Q22 $1.35

Q23 13/250

Q24 2.10

Q25 7/21

Q26 170+26x4-455÷13
=170+104-455÷13
=170+104-35
=274-35
=239

Ans : 239

Q27 120.45÷1000=0.12045
0.12045x100=12.045

Ans : 12.045cm

Q28 ½x5x6=15

Ans : 15cm²

Q29 38.4÷10=3.84

Ans : 3.8cm

Q30 4÷4=1
8÷4=2
12÷4=3
24÷4=6
10x4=40
a) 6
b) 40

PAPER 2

Q1 5960≈6000

445≈400

6000-400=5600

Ans : 5600

Q2

6-1=5

24÷6=4

4x5=20

24-3=21

21-20=1

21+1=22

Ans : 22

Q3 736÷4=184

184x24=4416

4416ml=4.416l

Ans : 4.416l

Q4 3 11/12-1½=3 11/12-1 6/12=2 5/12

2 5/12+ 4 4/9= 6 31/36

Ans : 6 31/36 l

Q5 10x19=190

190-20-30-40=100

100÷20=5

Ans : 5

Q6 13⅙x6=79

79x13⅙=1040⅙

Ans : 1040⅙cm²

Q7 2÷3x7=4⅔

4⅔x3=14

Ans : 14h

Q8 24÷3=8

½x24x8=96

Ans : 96cm²

Q9

⅘x2= 8/5 = 1⅗

Ans : 1⅗km

Q10 61.2÷3=20.4

20.4+206=23.0

20.4-3.8=16.6

23.0-16.6=6.4

Ans : 6.4l

Q11 40-28=12
12÷3=4
40+40+28+28+8=144
Ans : 144cm

Q12 1x6=6
7+8=15
3x15=45
45+6=51
612÷51=12
12x15=180
Ans : 180

Q13 57-4=53
8x5=40
57kg=57000g
4kg=4000g
57000-4000=53000
53000÷40=1325
1325x5=6625
6625g=6.625kg
22kg=22000g
1325x8=10600
22000-10600=11400
11400g=11.4kg
11.4kg≈11kg
Ans : (a) 6.625kg
(b) 11kg

Q14 Assume all the pots delivered are broken.
305x2=610
1363-610=753
5-2=3
753÷3=251 (delivered unbroken)
Ans : 251

Q15 26x6=52
112-52=60
60÷2=30
144÷12=12
30-12=18
½x18x12=108
26-12=14
½x12x14=84
108+84=192
Ans : 192cm²

Q16 2=4=6
$36.80x6=$220.80
2x$68.80=$137.60
$1196-$220.80-$137.60=$837.60
4+6+2=12
$837.60÷12=$69.80
$69.80+$36.80=$106.60
$106.60x4=$426.40
$426.40-$300=$126.40

Ans : (a) $69.80
(b) $126.40

Q17 1-⅜=⅝
⅝ of reminder →⅖ of money
⅖÷5= 2/25
2/25 x8= 16/25
1- 16/25 = 9/25
$288÷9=$32
$32x25=$800

Ans : (a) 9/25
(b) $800

Q18 5/7 →boys
2/7 →girls
2/7 x ⅗=6/35
10-4=6
6u→72
1u→12
35u→420

Ans : (a) 6/35
(b) 420